

Characterization of the mRNA untranslated regions [UTR] of the *Trypanosoma cruzi* LYT1 isoforms derived by alternative *trans*-splicing

Suppl. 3. Multiple alignment of 5' UTR *m*LYT1 isoform sequence from *T. cruzi* isolates listed in Table 1 and those obtained in this study from 058PUJ (GenBank ID: KT279498; clone pTc58.5U. mLY.T1) and D.A. (KT279499) isolates. Sequences were aligned with CLUSTAL Omega [1.2.4] program. Numbers on the right correspond to the nucleotide position in the sequence. An asterisk means that nucleotides are identical in all sequences shown in the alignment. The leader sequence SL is underlined and the motifs of RNA are indicated in bold. The polymorphisms present in the RNA motifs are shown by red letter.

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|------------------|--|----|
| 5mJR_cl._4 | <u>AACUAACGCUAUUAUUGAUACAGUUUCUGUACUAUAUUGUUUCCCCUCG</u> UUUUUUUUUUUU | 60 |
| 5mDm28C | <u>AACUAACGCUAUUAUUGAUACAGUUUCUGUACUAUAUUGUUUCCCCUCG</u> UUUUUUUUUUUU | 60 |
| 5mSylvio_X10/1 | <u>AACUAACGCUAUUAUUGAUACAGUUUCUGUACUAUAUUGUUUCCCCUCG</u> UUUUUUUUUU-- | 60 |
| KT279498.1 | <u>AACUAACGCUAUUAUUGAUACAGUUUCUGUACUAUAUUGUUUCCCCUCG</u> UUUUUUUUUUUU | 60 |
| pTc58.5U. mLY.T1 | <u>AACUAACGCUAUUAUUGAUACAGUUUCUGUACUAUAUUGUUUCCCCUCG</u> UUUUUUUUUU-- | 60 |
| KT279499.1 | <u>AACUAACGCUAUUAUUGAUACAGUUUCUGUACUAUAUUGUUUCCCCUCG</u> UUUUUUUUUUUU | 60 |
| 5mCLBrenerEL | <u>AACUAACGCUAUUAUUGAUACAGUUUCUGUACUAUAUUGUUUCCCCUCG</u> UUUUUUUUUUUU | 60 |
| 5mEsmeraldo | <u>AACUAACGCUAUUAUUGAUACAGUUUCUGUACUAUAUUGUUCUCCCCUCU</u> UUUUUUUUUUUU | 60 |
| 5mY | <u>AACUAACGCUAUUAUUGAUACAGUUUCUGUACUAUAUUGUUUCCCCUC</u> UUUUUUUUUUUU | 60 |
| 5mCLBrenerNEL | <u>AACUAACGCUAUUAUUGAUACAGUUUCUGUACUAUAUUGUUUCCCCUCG</u> UUUUUUUUUUUU | 60 |
| 5mCLBrener | <u>AACUAACGCUAUUAUUGAUACAGUUUCUGUACUAUAUUGUUUCCCCUCG</u> UUUUUUUUUUUU | 60 |
| 5mTula_cl2 | <u>AACUAACGCUAUUAUUGAUACAGUUUCUGUACUAUAUUGUUUCCCCUC</u> -UUUUUUUUUUUU | 60 |
| 5mMarinkellei | <u>AACUAACGCUAUUAUUGAUACAGUUUCUGUACUAUAUUGUUUGCCUCU</u> UUUUUUUUUU-- | 60 |
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| | | |
| 5mJR_cl._4 | -----UUUGUG ACCGUGCUCG CCUC | 81 |
| 5mDm28C | ----GUUUUGUG GCCGUGCUCG CCUC | 83 |
| 5mSylvio_X10/1 | ---GUUUUGUG GCCGUGCUCG CCUC | 81 |
| KT279498.1 | ----GUUUUGUG GCCGUGCUCG CUC | 83 |
| pTc58.5U. mLY.T1 | ----GUUUUGUG GCCGUGCUCG CUC | 82 |
| KT279499.1 | ---UGUUUGUG GCCGUGCUCG CUC | 84 |
| 5mCLBrenerEL | --UUUUUUUGUG GCCGUGCUCG CCUC | 85 |
| 5mEsmeraldo | -UUUUUUUGUG GCCGUGCUCG CUC | 86 |
| 5mY | UUUUUUUUUGUG GCCGUGCUCG CUC | 87 |
| 5mCLBrenerNEL | --UUUUUUUGUG GCCGUGCUCG CCUC | 85 |
| 5mCLBrener | -UUUUUUUGUG GCCGUGCUCG CCUC | 86 |
| 5mTula_cl2 | -UUUUUUUGUG GCCGUGCUCG CUC | 85 |
| 5mMarinkellei | -----CUGUG GCCGUGCUCG UCUC | 80 |
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